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PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

DALE ET AL.

Serial No. 10/540,730

Filed: June 24, 2005

For: COATINGS

Art Unit:

Examiner:

INFORMATION DISCLOSURE STATEMENT

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Respectfully submitted,

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Our Docket: 46309-315846

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*Z. Doddridge*

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 2

**Complete if Known**

Application Number	10/540,730
Filing Date	06-24-2005
First Named Inventor	Nicholas Dale
Art Unit	
Examiner Name	
Attorney Docket Number	46309-315846

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
	1	US-5698083	12-16-1997	Robert S. Glass	
	2	US-6303290	10-16-2001	Liu et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
	3	EP 0537761	04-21-1993	Yoshioka et al.		
	4	WO 99/07877	02-18-1999	Nicholas Dale		
	5	WO 99/10743	03-04-1999	Charych et al.		

**OTHER INFORMATION - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
	6	ANGENENDT, PHILIPP ET AL.; "Toward optimized antibody microarrays: a comparison of current microarray support materials"; Analytical Biochemistry 309 (2002) 253-260	
	7	AVNIR, DAVID ET AL.; "Enzymes and Other Proteins Entrapped in Sol-Gel Materials"; Chem. Mater., Vol. 6, 1994, pp. 1605-1614	
	8	BOGART, K.H.A. ET AL.; "Surface reactivity measurements for OH radicals during deposition of SiO <sub>2</sub> from tetraethoxysilane/ O <sub>2</sub> plasmas,"; Chemical Physics Letters; 267 (1997); 377-383	
	9	BURMEISTER, JASON J. ET AL.; "Self-Referencing Ceramic-Based Multisite Microelectrodes for the Detection and Elimination of Interferences from the Measurement of L-Glutamate and Other Analytes"; Analytical Chemistry; 1 March 2001; 1037-1042; Vol. 73, No. 5	
	10	DEEPA, P.N. ET AL.; "Electrochemically Deposited Sol-Gel-Derived Silicate Films as a Viable Alternative in Thin-Film Design,"; Analytical Chemistry; 2003; 5399-5405; Vol. 75	
	11	GHEORGHIES, C. ET AL.; "Forming of the Structure for the Thin Ceramic Films Prepared by the Electrolytical Method,"; Analele Stiintifice Ale Universitatii; 1999-2000; 268-275	
	12	HARRELL, T.M. ET AL.; "Selective Deposition of Biocompatible Sol-Gel Materials,"; Journal of Sol-Gel Science and Technology 31; 349-352, 2004	
	13	HUANG, YUHONG ET AL.; "Advances in Sol-Gel Technology,"; Chemat Technology, Inc., Northridge, Calif.; Shanghai Chemat Advanced Ceramics Technology Co., Ltd., Shanghai, China	
	14	JONES, W.M. ET AL.; "Novel Processing of Silica Hydrosols and Gels,"; Journal of Non-Crystalline Solids, 101; 1988; 123-126	

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Sheet

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Application Number

10/540,730

Filing Date

06-24-2005

First Named Inventor

Nicholas Dale

Art Unit

Examiner Name

Attorney Docket Number

46309-315846

**OTHER INFORMATION - NON PATENT LITERATURE DOCUMENTS - (Continued)**

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	15	LILLIS, B. ET AL.; "Investigation into immobilisation of lactate oxidase to improve stability," Sensors and Actuators B 68; 2000; 109-114	
	16	Extracts from Pamela M. Norns' online CV (University of Virginia, USA); "Production of Chromatographic Microchips using Sol-gel Derived Chromatographic Media" Funded by the Ivy Foundation, University of Virginia (PI: P.M. Norris, MAE; Co-PI: J. Landers, Chemistry)	
	17	PALMISANO, F. ET AL.; "Amperometric biosensors based on electrosynthesised polymeric films,," Fresenius J Analytical Chemistry (2000) 366; 586-601	
	18	POWER, MARY ET AL.; "Aerogels as biosensors: viral particle detection by bacteria immobilized on large pore aerogel,," Journal of Non-Crystalline Solids 285; 2001; 303-308	
	19	SHACHAM, RONEN ET AL.; "Electrodeposition of Zirconia and Silica Sol-Gel Films,," The 66 <sup>th</sup> Annual Meeting of the Israel Chemical Society; February 5-6, 2001	
	20	SHACHAM RONEN ET AL.; "Electrodeposition of Methylated Sol-Gel Films on Conducting Surfaces"; Adv. Materials, 1999, 11, No. 5, pp.384-388	
	21	SREENIVAS, G. ET AL.; "Fabrication and Characterization of Sputtered-Carbon Microelectrode Arrays,," Analytical Chemistry; 1996; 1858-1864; Vol. 68, No. 11	
	22	TEMPLIN, MARKUS F. ET AL.; "Protein microarray technology,," TRENDS in Biotechnology; April 2002; 160-165; Vol. 20, No. 4	
	23	YAN, D. ET AL.; "Glycerated Bis-Silanes as Precursors for the Development of Sol-Gel Derived Biofilms,," The 84 <sup>th</sup> Canadian Society for Chemistry Conference & Exhibition 2001	

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